Review of: "The nano transistor is one of the most important nano electrical parts that has functions such as circuit amplification"

Salem Abukhalil

1 Islamic Azad University, UAE Branch

Potential competing interests: No potential competing interests to declare.

Note: The nano transistor is one of the most important nano electrical parts that has functions such as circuit amplification, power supply, etc. And it is used in the internal structure of chips and nanochips.

The miniaturization of components in microelectronic systems and circuits has caused a significant growth of this industry in recent years. The speed of growth of this industry is such that with the smaller components, the number of transistors in the unit area of each semiconductor chip and nanochips has increased. Reducing the dimensions of these components can reduce the consumption of raw materials and energy, reduce the cost of these parts, and increase their speed and efficiency. Therefore, making and developing electronic tools with smaller dimensions and greater speed and efficiency has become more important day by day. Lithography is one of the most common methods for making electronic circuits. With the help of this method, structures can be made with precision and dimensions of 01 nm. Finding techniques with the help of which this method can be used for the industrial production of these parts (nanochips and microchips).

Conclusion:

Among the common methods of producing nanostructures, stretching, molding, phase separation, self-assembly and electrospinning, electrospinning has many advantages such as ease of production, the possibility of industrialization, the ability to control the dimensions of the raw materials of nanochips and nanotransistors, and repeatability.

References


